Title (en)
SIGNAL PROCESSING DEVICE AND METHOD FOR VIDEO TAPE RECORDING

Publication
EP 0084241 A3 19841003 (EN)

Application
EP 82306729 A 19821216

Priority
JP 487182 A 19820118

Abstract (en)
[origin: US4475129A] A non-copiable videotape recording system includes a synchro signal separator adapted to separate a horizontal and a vertical synchro signal from a synchro signal section of a video signal, a first-pulse generator adapted to generate a first pulse while the video signal is in the duration of the back porch which follows the horizontal synchro signal, wherein the first pulse has a narrower width than that of the back porch, a second-pulse generator adapted to generate a second pulse having a lower level than that of the first pulse while the video signal is in the duration of the back porch following the horizontal synchro signal, wherein the second pulse has a narrow width than that of the back porch and has a substantially equal pulse-area to that of the first pulse, and means for adding the first pulse and the second pulse alternately to the back porch of the video signal at predetermined time intervals.

IPC 1-7
H04N 5/91

IPC 8 full level
H04N 9/79 (2006.01); **G11B 5/86** (2006.01); **H04N 5/91** (2006.01); **H04N 5/913** (2006.01)

CPC (source: EP US)
H04N 5/913 (2013.01 - EP US); H04N 2005/91371 (2013.01 - EP US)

Citation (search report)
- [A] US 4163253 A 19790731 - KAMBARA MASAHIRO [JP], et al
- [A] GB 2055501 A 19810304 - IVS UK LTD
- [A] US 3963865 A 19760615 - SONGER JIMMIE D

Cited by
CN105812841A; DE8812594U1; GB2257868B; US5606427A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
US 4475129 A 19841002; DE 3276893 D1 19870903; EP 0084241 A2 19830727; EP 0084241 A3 19841003; EP 0084241 B1 19870729; JP H0320957 B2 19910320; JP S58123289 A 19830722; KR 840003182 A 19840813; KR 880001922 B1 19880930

DOCDB simple family (application)
US 40043082 A 19820721; DE 3276893 T 19821216; EP 82306729 A 19821216; JP 487182 A 19820118; KR 820005400 A 19821201